IALT: make shapes of a given area.

5 x 5 x 3

Short Multiplication:

652 x 2 =

Long Multiplication:

4513 x 3 =

Bus Stop:

412 ÷ 4

https://www.topmarks.co.uk/maths-games/daily10

IALT: make shapes of a given area.

$5 \times 5 \times 3$ 75

Short Multiplication:

$652 \times 2 =$ 1304

Long Multiplication:

$4513 \times 3 =$ 13,539

Bus Stop:

$412 \div 4$ 103

https://www.topmarks.co.uk/maths-games/daily10
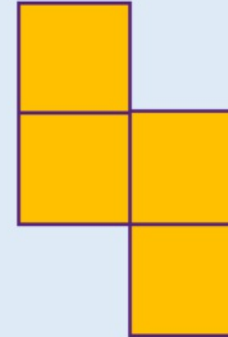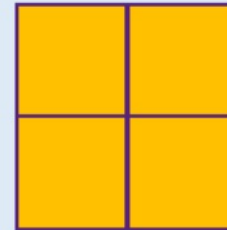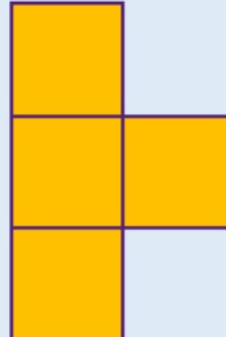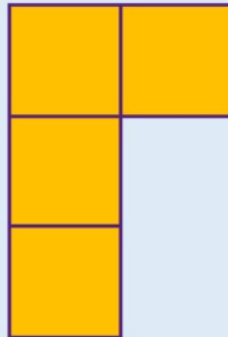
Daily Counting

11   9   7

Recall how its different from perimeter

To start to understand how to create our own shapes

Recall what area is.

Create our own shapes with set areas

Zach has 4 squares.
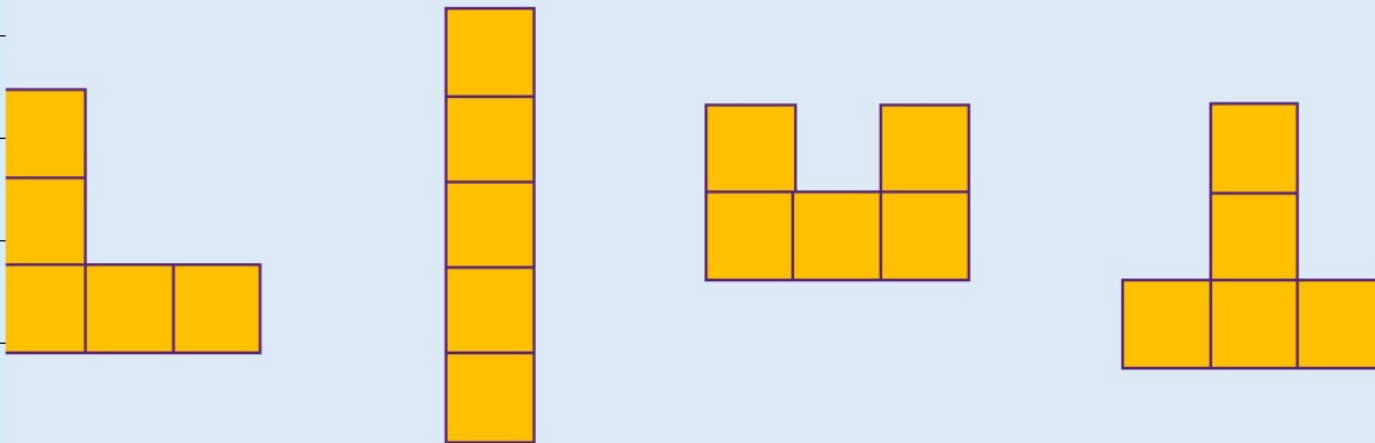## He systematically makes rectilinear shapes.

TASK 1: using only 5 squares, how many different shapes can you make?

Possible answers:

TASK 1: using only 5 squares, how many different shapes can you make?
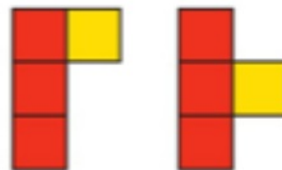
Possible answers:

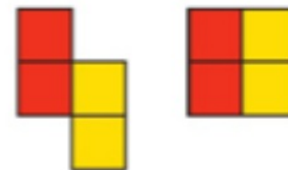**b)** Here is one way to find every possible shape.

Make a chain

(shape 1)

Move only 1 of the squares to begin with.

(shapes 2 and 3)

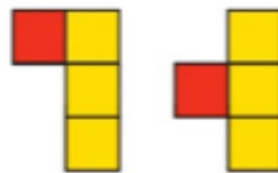Then move 2 of the squares at a time.

(shapes 4 and 5)

Moving 3 squares will not make any new shapes.
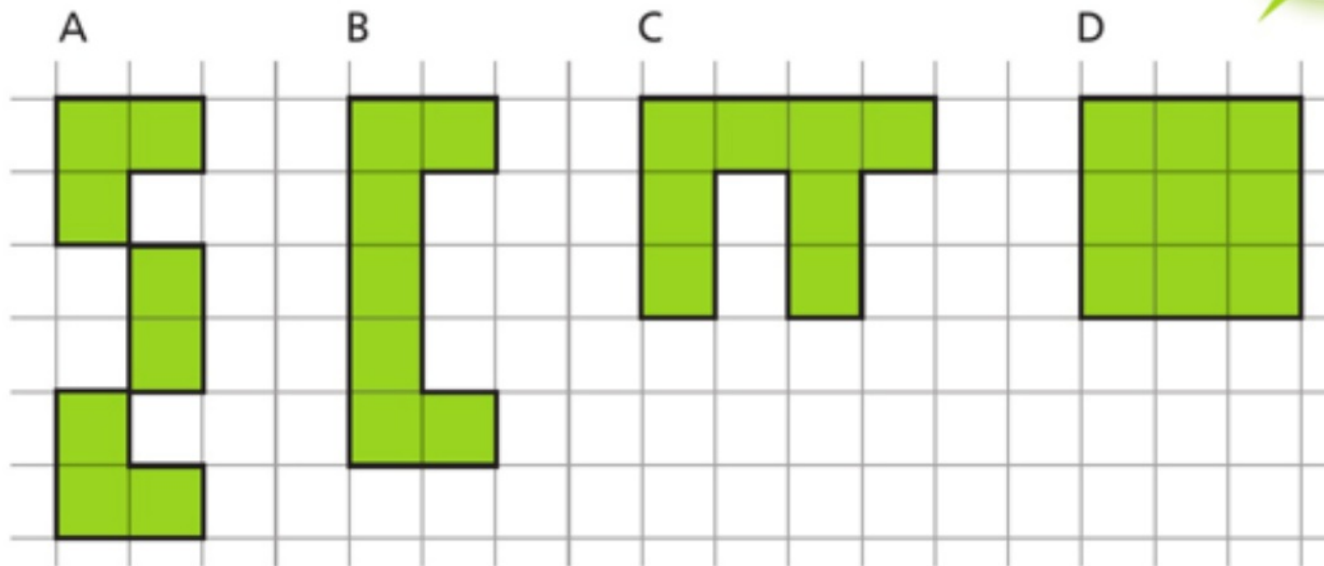
Holly makes a patio out of 8 concrete slabs.

3 Which one of these answers is the only shape that Holly can make for her rectilinear patio? Explain why.
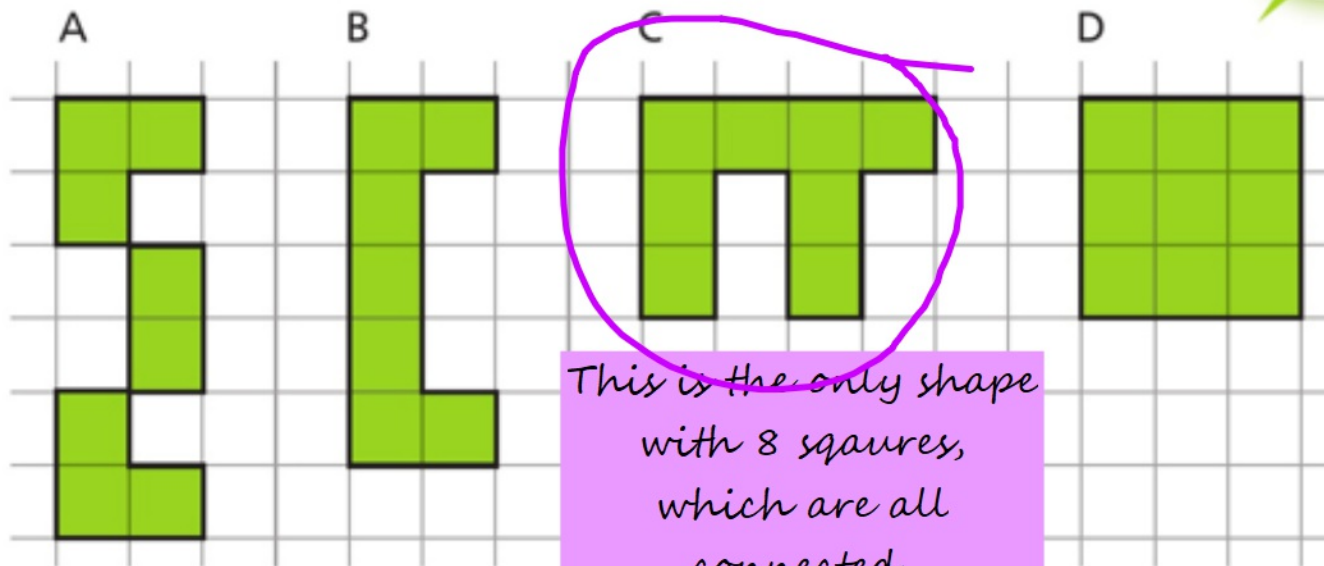
CHALLENGE

A   B   C   D

Why is there only one correct patio?

Holly makes a patio out of 8 concrete slabs.

3 Which one of these answers is the only shape that Holly can make for her rectilinear patio? Explain why.

CHALLENGE

A   B   C   D

This is the only shape with 8 sqaures, which are all connected.

Why is there only one correct patio?

How many different shapes can you make with:

3 squares

4 squares

6 squares

7 squares

8 squares

All the shapes need to be rectilinear

HHH Square investigation:

Work SYSTEMATICALLY.

Make some shapes of different sizes.

Can you see a pattern?

Can you explain it?

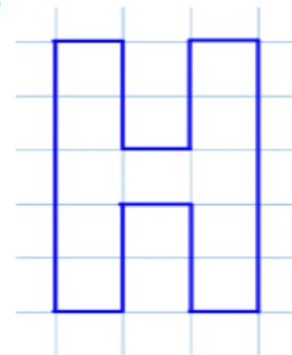Use squared paper to draw 4 different rectilinear shapes with an area of 12 squares.
Compare your shapes to a partner.
Are they the same?
Are they different?

Can you make some capital letters on squared paper using less than 20 squares?

Make a word from some and count the total area of the letters.
Which letters have a line of symmetry?
What is the area of half of each letter?

Use squared paper to draw 4 different rectilinear shapes with an area of 12 squares.
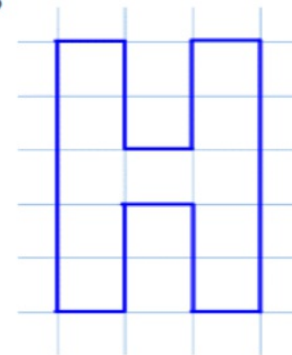Compare your shapes to a partner.
Are they the same?
Are they different?

Spicy:

We will share some examples on our 3pm video call, as all children will have slightly different answers... make sure you have your work ready to share later :)

Can you make some capital letters on squared paper using less than 20 squares?

Make a word from some and count the total area of the letters.
Which letters have a line of symmetry?
What is the area of half of each letter?